0062419

SAF-B03-005
100N Ancillary Facilities & 190-DR Other Solid Sampling for ERDF Waste Designation FINAL DATA PACKAGE

E:Mail RESULTS TO:

Rikki Thoren N/A
INITIAL/DATE

Rene Nielson N/A
INITIAL/DATE

COMPLETE COPY OF DATA PACKAGE TO:

Rikki Thoren X9-05 BS 5/12/04
INITIAL/DATE

COMMENTS: (PLEASE INCLUDE THE FOLLOWING ON THE FAX COVER SHEET)

SDG (20040683) SAF-B03-005

Rad only X Chem only Rad & Chem

X Complete Partial

WSCF
ANALYTICAL LABORATORY REPORT

ANALYSIS OF BULK SAMPLES FOR FIBER CONTENT

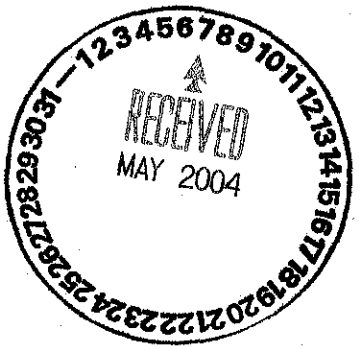
for

Bechtel Hanford, Inc.
MSIN H9-02
Richland, WA 99352

Attention: J. Kessner MSIN: H9-02

Survey ID J01HC0-J01HC2

Data Validator MK Hamilton



Group#: 20040683
Report Date 4-may-2004
bulk/rev.r6

Fluor Hanford, Inc.
MSIN: S3-28
Richland, WA 99352 Phone 373-7403

WSCF
ANALYTICAL LABORATORY REPORT

ANALYSIS OF BULK SAMPLES FOR FIBER CONTENT

Your samples have been analyzed for fiber content using polarized light microscopy and dispersion staining in accordance with Industrial Hygiene Laboratory Procedure LA-519-403, based on 40 CFR Part 763, Subpart E, App. E and EPA method EPA/600/R-93/116. The results are attached.

This method provides a visual estimate of the precentage of each fiber type present. It is a semiquantitative method intended to identify materials containing > or = 1% asbestos fibers.* Reported fiber percentages for samples and sample layers are based on the samples as received by the laboratory. The laboratory cannot verify that these values are representative of the original material sampled.

The Waste Sampling and Characterization Facility is accredited by the American Industrial Hygiene Association (AIHA) to analyze bulk samples for asbestos content. This accreditation does not constitute approval or endorsement of analytical results by AIHA.

If there are questions concerning this report, please contact the data validator listed on the cover page of this report.

* Because of the nonhomogeneous nature of soils, results will be reported using the following terms rather than percentages:

1. None - No asbestos fibers found.

2. Trace detectable - With extensive searching, a few fibers of the type indicated were found; concentration very low, well below 1%.

3. Obvious presence - Fibers easily found but overall concentration still low.

4. Significant presence - Fibers readily found; overall concentration may approach or exceed 1% level.

Polarized light microscopy (PLM) may not be the preferred method for identification of asbestos in floor tile. Most vinyl floor tiles marketed in the late sixties to mid-seventies contained asbestos milled so fine as to be below detection limits for PLM techniques. Tiles of that vintage, showing any detectable asbestos fibers should be considered to be asbestos-containing material. Non-detection of asbestos by PLM should not be considered conclusive proof that the tiles do not contain asbestos. Results for such samples will be reported as 'indeterminate'. Confirmatory analysis by TEM is strongly recommended.

WSCF
ANALYTICAL LABORATORY REPORT

Attention: J. Kessner MSIN: H9-02 **Group #:** 20040683

Sample #	Client ID	Test Performed	Range	Result	Units	Analyst	Sampled	Received	Analyzed
W04I002122	J01HC0	The following are the results of this test- Bulk Asbestos Layer 1							
		Cellulose	<	1	%	sdb	04/27/04	04/27/04	04/28/04
		Fiberglass		3-7	%	sdb	04/27/04	04/27/04	04/28/04
		Chrysotile Asbestos		5-20	%	sdb	04/27/04	04/27/04	04/28/04
	SAMPLE COMMENT---	Non-homogenous black fibrous tar with rust spots and tan							
	SAMPLE COMMENT---	granular material, reportedly from 1300N Emergency Dump							
	SAMPLE COMMENT---	Basin.							
W04I002123	J01HC1	The following are the results of this test- Bulk Asbestos Layer 1							
		Cellulose	<	1	%	sdb	04/27/04	04/27/04	04/28/04
		Fiberglass		4-9	%	sdb	04/27/04	04/27/04	04/28/04
		Chrysotile Asbestos		5-20	%	sdb	04/27/04	04/27/04	04/28/04
	SAMPLE COMMENT---	Non-homogenous black fibrous tar with rust spots and tan							
	SAMPLE COMMENT---	granular material, reportedly from 1300N Emergency Dump							
	SAMPLE COMMENT---	Basin.							
W04I002124	J01HC2	The following are the results of this test- Bulk Asbestos Layer 1							
		Cellulose	<	1	%	sdb	04/27/04	04/27/04	04/28/04
		Fiberglass		4-10	%	sdb	04/27/04	04/27/04	04/28/04
		Chrysotile Asbestos		5-20	%	sdb	04/27/04	04/27/04	04/28/04
	SAMPLE COMMENT---	Non-homogenous black fibrous tar with rust spots and tan							
	SAMPLE COMMENT---	granular material, reportedly from 1300N Emergency Dump							
	SAMPLE COMMENT---	Basin.							

WSCF
ANALYTICAL COMMENT REPORT

Attention: J. Kessner MSIN: H9-02 **Group #:** 20040683

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		Validated 5/4/04 by MK Hamilton, IH QA Coordinator.
W04I002122	J01HC0	TESTDATA	Bulk Asbestos Layer 1	Non-homogenous black fibrous tar with rust spots and tan granular material, reportedly from 1300N Emergency Dump Basin.
W04I002123	J01HC1	TESTDATA	Bulk Asbestos Layer 1	Non-homogenous black fibrous tar with rust spots and tan granular material, reportedly from 1300N Emergency Dump Basin.
W04I002124	J01HC2	LOGSAMP		Received by K. Beebe and logged by SD Bolling 4/27/04. Samples acceptable upon receipt.
				MEDIA: Bulk
		TESTDATA	Bulk Asbestos Layer 1	Non-homogenous black fibrous tar with rust spots and tan granular material, reportedly from 1300N Emergency Dump Basin.

Lab Areas: VALGROUP - Group Validation VALTEST - Test Validation TESTDATA - Test Data Entry
LOGSAMP - Login for Sample LOGTEST - Login for Tests

MKH 5/4/04

Bechtel Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		B03-005-033	Page 1 of 1
Collector Renee Nielson	Company Contact Rikki Thoren	Telephone No. 372-2178	Project Coordinator KESSNER, JH	Price Code 9K Data Turnaround RJN Air Quality ☐ 4/27/04 ~~7 Days~~ 3 days
Project Designation 100N Ancillary Facilities & 190-DR Other Solid Sampling fo	Sampling Location 1300-N Emergency Dump Basin		SAF No. B03-005	
Ice Chest No.	Field Logbook No. EL-1516-2	COA R1300N200C	Method of Shipment Hand deliver - govt vehicle	
Shipped To Waste Sampling & Characterization	Offsite Property No.		Bill of Lading/Air Bill No.	

POSSIBLE SAMPLE HAZARDS/REMARKS

Special Handling and/or Storage

Preservation	None										
Type of Container	aG										
No. of Container(s)	1										
Volume	~~60mL~~ 120ml	RJN 4/27/04									
SAMPLE ANALYSIS	Asbestos										

Sample No.	Matrix *	Sample Date	Sample Time										
J01HC0 W04IOC2122	OTHER SOLID	4/27/04	0708	X									
J01HC1 W04IOC2123	OTHER SOLID	4/27/04	0712	X									
J01HC2 W04IOC2124	OTHER SOLID	4/27/04	0715	X									

CHAIN OF POSSESSION

Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Renee Nielson / R. Nielson	4/27/04 1300	[illegible] / R Beebe	4/27/04 1300
R Beebe	4/27/04 1300	SD Bolling / Stacey O'Bell	4/27/04 1330 logged stored
Storage		SD Bolling / Stacey O'Bell	4/28/04
SD Bolling / Stacey O'Bell	4/28/04 1445	Storage	
Storage		SD Bolling / Stacey O'Bell	5/3/04 1250
SD Bolling / Stacey O'Bell	5/3/04 1250	[illegible] / R. Nielson	5/3/04 1350

Sign/Print Names

SPECIAL INSTRUCTIONS

Matrix *
S=Soil
SE=Sediment
SO=Solid
SI=Sludge
W = Water
O=Oil
A=Air
DS=Drum Solids
DL=Drum Liquids
T=Tissue
WI=Wipe
L=Liquid
V=Vegetation
X=Other

LABORATORY SECTION	Received By SD Bolling / Stacey O'Bell	Title IH Tech. Mgr.	Date/Time 4/27/04 1300	
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time	

BHI-EE-011 (03/01/2002)